



IFIS

PTO/SB/21 (08-03)

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TRANSMITTAL FORM

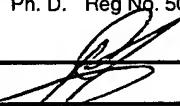
(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/676,721	
	Filing Date	9/30/2003	
	First Named Inventor	Burak Acar	
	Art Unit	Not Yet Assigned	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission		Attorney Docket Number	S01-254/US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please Identify below):
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Ron Jacobs Ph. D. Reg No. 50,142
Signature	
Date	8-16-04

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	SYLVIA LEE	
Signature		Date 8/10/04

This collection of information is required by 37 CFR 1.6. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Application No.:

Filed:

Title:

Applicant(s):

Examiner:

Art Unit:

In the United States Patent and Trademark Office

10/676,721

9/30/2003

Method for Detecting and Classifying a Structure of Interest in Medical Images

Burak Acar

not yet assigned

not yet assigned

Mailed 8/10/04
Palo Alto, CA

Information Disclosure Statement

Commissioner of Patents and Trademarks
Washington, District of Columbia 20231

Dear Sir or Madam:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon. It is requested that the document(s) on the enclosed form be made of record.

Part I (Authority)

This statement is filed pursuant to:

37 C.F.R. § 1.97(b).

This information disclosure statement is filed either (1) within three months of the filing date of the national applications; (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application; or (3) before the mailing date of a first office action on the merits, whichever event occurs last.

Accordingly, this information disclosure statement requires no fee and no certification.

37 C.F.R. § 1.97(c).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing date of either (1) a final action under 37 C.F.R. § 1.113 or (2) a notice of allowance under 37 C.F.R. § 1.311.

Accordingly, this information disclosure statement requires either the fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) (\$240), or a certification according to 37 C.F.R. § 1.97(e).

37 C.F.R. § 1.97(d).

This information disclosure statement is filed after the period specified in 37 C.F.R. § 1.97(c).

Accordingly, this information disclosure statement requires the petition fee specified in 37 C.F.R. § 1.17(i)(1) to consider an information disclosure statement under 37 C.F.R. § 1.97(d) (\$130), a certification according to 37 C.F.R. § 1.97(e), and a petition requesting consideration of the information disclosure statement.

Conditional Petition

It is respectfully requested that this information disclosure statement be considered, good cause being presented in Part III herein (certification). please treat this paper as the required petition.

If this statement crosses in the mail with an office action, or is otherwise not in the indicated category of 37 C.F.R. § 1.97, it is respectfully requested that this statement be treated in the next appropriate category and made of record.

To the extent required, please treat this paper as a conditional petition for acceptance of the

Part II (Payment)

A check is enclosed as indicated:

No fee is due.

The fee specified in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c) is enclosed (\$240).

The petition fee specified in 37 C.F.R. § 1.17(i)(1) to consider an information disclosure statement under 37 C.F.R. § 1.97(d) is enclosed (\$130).

Part III (Certification)

Pursuant to 37 C.F.R. § 1.97(e), I certify:

No certification is necessary.

(1) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the statement.

(2) The "communication from a foreign patent office" referred to in the certification is an International Search Report, possibly issued by the U.S. Patent and Trademark Office in its capacity as an International Search Authority or International Preliminary Examining Authority.

(3) The "counterpart foreign application" referred to in the certification corresponds to an ancestor or descendent application of the application for which this information disclosure statement is filed.

(4) (2) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c), more than three months prior to the filing of the statement.

Part IV (Additional Statement)

An additional statement regarding these items of information () is, (X) is not, enclosed.

Copies of the cited art (X) are enclosed, () are of record in parent application Serial No. _____ and will be provided if the Examiner deems it convenient.

Dated:

8 - 10 - 04

Respectfully submitted,



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U.S. DEPARTMENT OF COMMERCE							ATTY. DOCKET NO. S01-254/US	SERIAL NO. 10/676,721
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)							APPLICANT Burak Acar	
							FILING DATE 9/30/2003	GROUP Not yet assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	RELEVANT INFORMATION
	A	6 3 3 1 1 1 6						12/18/2001	Kaufman et al	
	B	2002/0039400						04/04/2002	Kaufman et al	
	C	6 0 8 3 1 6 2						07/04/2000	David J. Vining	
	D	5 9 2 0 3 1 9						07/06/1999	Vining, et al.	
	E	5 9 7 1 7 6 7						10/26/1999	Kaufman et al.	
	F	5 8 9 1 0 3 0						04/06/1999	Johnson et al.	
	G	5 4 9 1 6 2 7						02/13/1996	Zhang et al.	
	H	5 4 5 8 1 1 1						10/17/1995	Coin et al	

FOREIGN PATENT DOCUMENTS

		2-letter code	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
						YES	NO
	I						
	J						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

K		D.S. Paik et al., "Detection of polyps in CT colonography: A comparison of a computer aided detection algorithm to 3-D visualization methods," in Proc. 85 th Scientific Sessions Radiological Society of North America, vol. 213 (P). Chicago, IL, 1999, p.428
		Paik et al., "Computer-aided detection of polyps in CT colonography: Free response ROC evaluation of performance," Radiology, vol. 217 (SS), p. 370, 2000
L		R.M. Summers et al., : Automated polyp detection at CT colonography: Feasibility assessment in a human population," Radiology, vol. 219, no. 1, pp. 51-59, 2001
		R.M. Summers et al., "Automated polyp detector for Ct colonography: Feasibility study," Radiology, vol. 216, no. 1, pp.284-290, 2000
M		A. H. Mir et al., "Description of shapes in CT images: The usefulness of time-series modeling techniques for identifying organs," IEEE Eng. Med. Bio. Mag., vol. 18, pp. 79-84, Jan/Feb. 1999
		PC Mahalanobis, On the generalized distance in statistics, Proc. Natl. Institute of Science of India 12:49-55, 1936
N		Lavin et al., "Feature Comparisons of Vector Fields Using Earth Mover's Distance", in Proc. Visualization, 1998, pp.103-110
		Helman et al., "Representation and Display of Vector Field Topology in Fluid Flow Data Sets", IEEE, August 1989, pp.27-36

EXAMINER	DATE CONSIDERED

FORM PTO-1449U.S. DEPARTMENT OF COMMERCE								ATTY. DOCKET NO. S01-254/US	SERIAL NO. 10/676,721	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)								APPLICANT Burak Acar		
								FILING DATE 9/30/2003		GROUP Not yet assigned
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCUMENT NUMBER				DATE		NAME		RELEVANT INFORMATION
	A	6	2	4	6	7	8	4	06/12/2001	Summers et al.
	B	6	5	5	6	6	9	6	04/29/2003	Summers et al.
	C	6	3	0	1	3	7	8	10/09/2001	Karssemije et al.
	D	6	2	4	6	7	8	4	06/12/2001	Summers et al.
	E	20020045153				04/18/2002		Kaufman et al.		
	F	20020097320				07/25/2002		Zalis		
	G	6	3	4	5	1	1	2	02/05/2002	Summers et al
	H									
FOREIGN PATENT DOCUMENTS										
		2-letter code	DOCUMENT NUMBER			DATE	COUNTRY		TRANSLATION	
	I								YES	NO
	J									
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)										
	K		S.S. Beauchemin et al., "The Computation of Optical Flow", ACM Computing Surveys, Vol. 27, No. 3, September 1995, pp. 433-467							
			S.B. Gokturk et al., " A Graph method for the conservative detection of polyps in the colon," in <i>Proc. 2nd Int. Symp. Virtual Colonoscopy</i> , Boston, MA, 2000.							
	L		H. Yoshida et al., " Detection of colonic polyps in CT colonography based on geometric features, " <i>Radiology</i> , vol. 217 (SS), p. 582-2000							
			H. Yoshida et al., "Three-dimensional computer-aided diagnosis scheme for detection of colonic polyps, " <i>IEEE Trans. Med. Imag.</i> , vol. 20, pp. 1261-1274, Dec. 2001							
	M									
	N									
EXAMINER							DATE CONSIDERED			